

## TELEPHONE CALL/VOICE PROCESSING SYSTEM

ABSTRACT OF THE DISCLOSURE

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A telephone and voice mail (voice processing) system is implemented using only a single processing means for controlling operations of both the telephone system and the voice mail system. The single processing means communicates with a hard disk, which stores programs for running the various operations of the system, voice prompts and all voice mail messages. The single processing means is coupled to signal processing circuitry, which emulates analog electronics that would be used for filters, tone decoder, generators, etc. The single processing means and signal processing circuitry are coupled to central office lines and station lines by a digital cross-point matrix, which can connect any voice path to another voice path. The system integrates call processing and voice processing into one system controlled by one set of software and a single processing means.